

**Amendments to the Abstract**

Please **add** the following Abstract to this application.

The invention relates to a projection objective comprising at least one lens  $\langle L_1 \rangle$  and intended to transmit a divergent light beam onto a flat screen— $\langle SC \rangle$ . A hyperbolically shaped mirror  $\langle M_1 \rangle$  is oriented so as to receive, on its convex face, the light emanating from the lens.

The invention also relates to a corresponding projection ~~or backprojection~~ apparatus.